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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,208	03/23/2004	Ichiro Akiyama	OGW-0312	1921

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WASHINGTON, DC 20036

EXAMINER
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JOHNSTONE, ADRIENNE C

ART UNIT	PAPER NUMBER
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1733

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/806,208

Applicant(s)

AKIYAMA ET AL.

Examiner

Adrienne C. Johnstone

Art Unit

1733

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-3, 7 and 8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7, and 8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Objections***

1. Claim 8 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 8 merely recites the definition of the term "sectional area changing rate" from the specification; if this definition already applies to the sectional area changing rate recited in claim 1, as it would appear from the specification, claim 8 would not further limit claim 1.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-3 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant now recites in claim 8 the definition of the term "sectional area changing rate" from the specification; if this definition does not apply to the sectional area changing rate recited in claim 1 it is not clear how the sectional area changing rate is defined (see paragraph 1 above).

### ***Claim Rejections - 35 USC § 102***

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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5. Claims 1 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Sanderson (3,085,615) or, alternatively, Sarkissian (4,153,095) or Sarkissian (4,262,724) or De Lorean (5,115,852).

These references are applied for the same reasons as set forth in paragraph 3 of the Office action mailed April 6, 2005: when, as here, there is a reasonable basis for inferring that the structure disclosed by the references inherently possesses the claimed property, applicants must show (not just argue) otherwise (MPEP 2112 and 2112.01).

6. Claims 1, 7, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by German Patent Application 100 51 735 A1.

These references are applied for the same reasons as set forth in paragraph 3 of the Office action mailed April 6, 2005: when, as here, there is a reasonable basis for inferring that the structure disclosed by the references inherently possesses the claimed property, applicants must show (not just argue) otherwise (MPEP 2112 and 2112.01). As to claim 7, the reference discloses that imbalance around the tire circumference is minimized in selecting the distribution of the changes in cross-sectional area (see the abstract for example); the close correspondence of structure and function (reducing resonance inside the tire while minimizing imbalance (lack of uniformity) around the tire circumference) between the claimed tire/wheel assembly and the reference tire/wheel assembly provides a reasonable basis for the examiner to infer that the reference tire/wheel assembly also meets the claimed tube cross-sectional area change of 5.0% to 25% and burden therefore shifts to applicants to show otherwise as noted above.

***Claim Rejections - 35 USC § 103***

7. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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8. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sanderson (3,085,615) or, alternatively, Sarkissian (4,153,095) or Sarkissian (4,262,724) or De Lorean (5,115,852) or German Patent Application 100 51 735 A1, in view of Aflague et al. (5,385,191).

See paragraphs 5 and 6 above: these references are combined for the same reasons as set forth in paragraph 6 of the Office action mailed April 6, 2005.

### ***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adrienne C. Johnstone whose telephone number is (571) 272-1218. The examiner can normally be reached on Monday-Friday, 10:30AM-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Dunn can be reached on (571) 272-1171. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

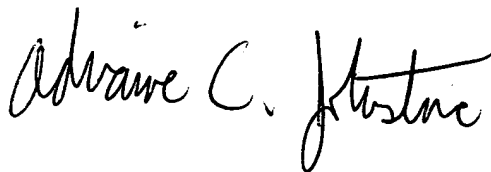
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Adrienne C. Johnstone  
Primary Examiner  
Art Unit 1733

Adrienne Johnstone

September 19, 2005

A handwritten signature in black ink, reading "Adrienne C. Johnstone". The signature is written in a cursive, flowing style with a large initial 'A' and a long, sweeping tail for the 'Johnstone' part.